Course Description:
Comprehensive and practical, hands-on bicycle maintenance and repair focusing on road and mountain bikes. Emphasis on drive chain, shifting, brakes, wheels (straightening), tires, tubes (flats), steering systems, cable replacement and lubrication. Review geometry and physics of the bicycle, the world’s most efficient means of transportation.

**BRING YOUR BIKE TO CLASS.** Let Summer Sessions know in advance if you need a bike provided so you have something to work on in class.

Location: Gruening 307, UAF Campus
Schedule: January 4-8, Monday-Friday, 6-9 pm.
Instructor: Simon Rakower
E-Mail: aws@mosquitonet.com

**COURSE OUTLINE:**

January 4  
**Don’t Get Stranded**  
Anatomy of a bicycle  
Tire selection and care  
Flat repair

January 5-6  
**Shifting Tips**  
Drive train care and maintenance  
Gears, cables, derailleurs and chains

January 7  
**SCREECH … Your Brakes Will Work**  
Types of brakes including hydraulic and disc  
Brake repair and maintenance  
Wheel straightening

January 8  
**Keep Things Turning Smoothly**  
What’s going on inside  
Bearing adjustment and overhaul